

AUTHOR INDEX

- Ammeraal, R. N., 179
An, J., 25
Atkinson, P. H., 211
- Bell-Farrow, A., 117
Brade, H., 323
Brown, B. J., 147
- Cefalu, W. T., 117
Cheetham, N. W. H., 59
Chow, M. C., 147
Chowdhury, T. A., 303
Claessens, A. J., 251
- Delgado, G. A., 179
De Ruiter, G. A., 47
Dill, K., 351
Doner, L. W., 81
- Et-Atawy, Y. S., 91
El Rassi, Z., 25
- Fishman, M. L., 91
Friedman, R. B., 179
Fukuda, M., 67
- Gillespie, D. T., 91
Gustafsson, B., 303
- Hämäläinen, M. M., 357
Hansawek, N., 59
Hashimoto, H., 127
Hemminga, M. A., 229
Heyraud, A., 105
Hicks, K. B., vii, 81
Holme, T., 303
Holst, O., 323, 337
Honda, S., 193
Hotchkiss, Jr., A., 81
Huang, L., 351
- Irwin, P. L., 81
- Jansen, A. C. A., 251
Janssen, L. H. M., 251
Jansson, P.-E., 303
Jiménez-Barbero, J., 239
Johnson, D. C., 159
- Kakehi, K., 193
Kato, N., 127
Klessinger, M., 345
- Kobayashi, S., 203
Koizumi, K., 67, 127
- LaCourse, W. R., 159
Lattová, E., 199
Lauterwein, J., 345
Leonard, C., 105
Lieber, H.-P., 1
Lindberg, B., 303
Lindberg, J., 303
Lönnberg, H., 357
Louie, A., 315
- Maness, N. O., 219
Meyer, B., 261, 279
Moerschbacher, B. M., 219
Mort, A. J., 25, 219
- Nakanishi, N., 127
Niemann, C., 15
Nose, A., 193
Notermans, S. H. W., 47
Nuck, R., 15
- Okada, Y., 67, 127
Olieman, C., 39
Oxley, D., 293
- Pakulski, Z., 337
Paskach, T. J., 1
Petruš, L., 199
Petrušová, M., 199
Pfannemüller, B., 15
Pierce, M. L., 219
Potier, M., 315
Preston III, J. F., 137, 147
Prytulla, S., 345
- Ralapati, S., 117
Reilly, P. J., 1
Ribeiro, A., 315
Rice, J. D., 137, 147
Rivera-Sagredo, A., 239
Rombouts, F. M., 47
Roozen, M. J. G. W., 229
- Saecou, P., 59
Saenger, W., 15
Shiota, M., 203
Sondey, S. M., 91
Suzuki, S., 193

Takagi, Y., 127
 Tanimoto, T., 127
 Tedford, D., 25
 Tenbarge, F. L., 179
 Thielecke, K., 1
 Thiem, J., 345
 Townsend, R. R., 211
 Trimble, R. B., 211

 Van Boom, H., c1
 Van Drooge, M. J., 251
 Van der Laan, S. C., c1
 Van der Lugt, A. W., 47
 Van der Marel, G. A., c1
 Van Helden, S. P., 251

Van Riel, J., 39
 Voragen, A. G. J., 47

Walstra, P., 229
 Wang, Z. Q., 117
 Warner, T. G., 315
 Wilkinson, S. G., 293

Yamamoto, K., 193

Zähringer, U., 323, 337
 Zamojski, A., 323, 337
 Zsiška, M., 261, 279
 Zuurmond, H. M., c1

SUBJECT INDEX

- N*-Acetylneuraminic acid and analogues, configurational assignment *via* the vicinal C,H coupling constants, 345
- N*-Acetylneuraminic acid, unsaturated derivatives, inhibition kinetics of mammalian sialidases with, 315
- Acidic glycan present in the lipopolysaccharide extract from the reference strain for *Serratia marcescens* serogroup O18, structure of an, 293
- 1,6-Anhydrolactose and its hexa-acetate, conformation in solution, 239
- Anion-exchange chromatographic determination of saccharides in dairy products using pulsed amperometric detection, selectivity control in the, 39
- Anion-exchange chromatography, high performance, of sugars and sugar alcohols on quaternary ammonium resins under alkaline conditions, 1
- Anion-exchange chromatography, high-performance, with pulsed amperometric detection, of linear and branched glucose oligosaccharides, 179
- Anion-exchange chromatography, high-pH; separation of high-mannose isomers from yeast and mammalian sources using, 211
- Capillary zone electrophoresis of reducing mono- and di-saccharides as the borate complexes of their 3-methyl-1-phenyl-2-pyrazolin-5-one derivatives, 193
- Carbon column, a graphitized, high-performance liquid chromatography of mono- and oligosaccharides on, 67
- Cation-exchange resin in the lanthanum form, chromatography of 1-deoxy-1-nitroalditols on a, 199
- Chair-to-chair interconversion of *cis*-inositol, rate constants and activation energy for, determination by n.m.r. spectroscopy, 351
- Chromatography of 1-deoxy-1-nitroalditols on a cation-exchange resin in the lanthanum form, 199
- Chromatography, high-performance anion-exchange, of sugars and sugar alcohols on quaternary ammonium resins under alkaline conditions, 1
- Chromatography, high-performance anion-exchange with pulsed amperometric detection, of linear and branched glucose oligosaccharides, 179
- Chromatography, high-performance liquid, of mono- and oligo-saccharides on a graphitized carbon column, 67
- Chromatography, reserved-phase ion-pair liquid, kinetic comparisons of trimer-generating pectate and alginate lyases by, 147
- Complexing of sugars and sugar alcohols with metal ions: a comparative study by ion-exchange chromatography, 357
- Configurational assignment of *N*-acetylneuraminic acid and analogues *via* the vicinal C,H coupling constants, 345
- Conformation of 1,6-anhydrolactose and its hexa-acetate in solution, 239
- β -Cyclodextrin (cyclomaltoheptaose, β CD) having degree of polymerization (d.p.) = 9, characterization of five isomers of branched, a reinvestigation of three positional isomers of diglycosyl- β -CD, 127
- Cyclomaltoheptaose (β CD) having degree of polymerization (d.p.) = 9, characterization of five isomers of branched, a reinvestigation of three positional isomers of diglycosyl- β -CD, 127
- Cyclomaltohexaose (α -cyclodextrin) in complexes with guest molecules, a molecular modelling study of the distortion of, 251
- Dairy products, selectivity control in the anion-exchange chromatographic determination of saccharides in, using pulsed amperometric detection, 39
- 1-Deoxy-1-nitroalditols, chromatography on a cation-exchange resin in the lanthanum form, 199
- Disaccharide unit of the lipopolysaccharide of *Escherichia coli* K-12, synthesis of a heptose-containing, 337
- Disaccharides of D-glucose, α -linked, analyses of, by high-performance liquid chromatography, 203
- Disaccharides with (1 \rightarrow 4)- β glycosidic linkages related to the 4- and 6-sulfates and the 4,6-disulfates of chondroitin, syntheses of, 261
- Disaccharides with 4- and 6-sulfate and 4,6-disulfate groups, synthesis of β -D-GlcA-(1 \rightarrow 3)- β -D-Gal, 279
- Distortion of α -cyclodextrin (cyclomaltohexaose) in complexes with guest molecules, a molecular modelling study of the, 251

- E.s.r. spectroscopy, molecular motion in glassy water-malto-oligosaccharide mixtures as studied by conventional and saturation-transfer spin-probe, 229
- Electrophoresis, capillary zone, of reducing mono- and di-saccharides as the borate complexes of their 3-methyl-1-phenyl-2-pyrazolin-5-one derivatives, 193
- ELISA detection and high-performance size-exclusion chromatography of extracellular polysaccharides from *Mucorales*, 47
- Extracellular polysaccharides from *Mucorales*, high-performance size-exclusion chromatography and ELISA detection of, 47
- Furosine, determination of, in biomedical samples employing an improved hydrolysis and high-performance liquid chromatographic technique, 117
- Glycogens, an h.p.l.c. method for determining chain-length distribution in some, 59
- Glycosylation of alkyl (aryl) 1-thioglycosides, regulation of stereoselectivity and reactivity in the iodonium ion-assisted, c1
- Heptopyranosyl-D-glucopyranose, synthesis and characterisation of 6-O-L-glycero- α -D-manno-, 337
- Heptose/hexose region of the lipopolysaccharide from *Escherichia coli* K-12 strain W3100, structural analysis of the, 323
- High-mannose isomers from yeast and mammalian sources, separation of, using high-pH anion-exchange chromatography, 211
- High-performance anion-exchange chromatography, with pulsed amperometric detection, of linear and branched glucose oligosaccharides, 179
- High-performance liquid chromatography, analyses of α -linked disaccharides of D-glucose by, 203
- High-performance liquid chromatography, kinetic analysis of pectate lyases by, 137
- High-performance reversed-phase chromatographic mapping of 2-pyridylamino derivatives of xyloglucan oligosaccharides, 15
- High-performance size-exclusion chromatography and ELISA detection of extracellular polysaccharides from *Mucorales*, 47
- H.p.l.c. method for determining chain-length distribution in some H glycogens, an, 59
- H.p.l.c. of 4-nitrophenyl- α -malto-oligosaccharides, 15
- H.p.l.c., preparative, isolation of oligogalacturonic acids in gram quantities by, 81
- H.p.l.c., reversed-phase ion-pair, analysis of oligouronates by; role of the mobile phase, 105
- cis*-Inositol, rate constants and activation energy for the chair-to-chair interconversion of, determination by n.m.r. spectroscopy, 351
- Iodonium ion-assisted glycosylation of alkyl 1-thioglycosides, regulation of stereoselectivity and reactivity, c1
- Ion-pair reversed-phase h.p.l.c., analysis of oligouronates by; role of the mobile phase, 105
- Kinetic analysis of pectate lyases by high-performance liquid chromatography, 137
- Lactose, conformation in solution of 1,6-anhydro-, and its hexa-acetate, 239
- Lipopolysaccharide from *Escherichia coli* K12 strain W3100, structural analysis of the heptose/hexose region of the, 323
- Liquid chromatography, high-performance, analyses of α -linked disaccharides of D-glucose by, 203
- Lyases, trimer-generating pectate and alginate, kinetic comparisons of, by reversed-phase ion-pair liquid chromatography, 147
- α -Malto-oligosaccharides, 4-nitrophenyl-, h.p.l.c. of, 15
- Mammalian sialidases, inhibition kinetics with unsaturated derivatives of *N*-acetylneuraminic acid, 315
- Metal ions, a comparative study by ion-exchange chromatography of the complexing of sugars and sugar alcohols with, 357
- Molecular modelling study of the distortion of α -cyclodextrin (cyclomaltohexaose) in complexes with guest molecules, 251
- Molecular motion in glassy water-malto-oligosaccharide mixtures as studied by conventional and saturation-transfer spin-probe e.s.r. spectroscopy, 229
- Molecular weight and intrinsic viscosity of pectin components, 91
- N.m.r. spectroscopic assignment of the configuration of *N*-acetylneuraminic acid and analogues, 345
- Oligogalacturonic acids, isolation of, in gram quantities by preparative h.p.l.c., 81
- Oligosaccharides, linear and branched glucose, high-performance anion-exchange chromatography with pulsed amperometric detection, of, 179
- Oligouronates, analysis of, by reversed-phase ion-pair h.p.l.c.: Role of the mobile phase, 105
- Pectate lyases by high-performance liquid chromatography, kinetic analysis of, 137
- Pectic fragments, problems encountered during

- the extraction, purification, and chromatography of, and some solutions to them, 219
- Pectin components, intrinsic viscosity and molecular weight of, 91
- Polysaccharide from *Vibrio cholerae*: O:3, structural studies of the O-antigen, 303
- Polysaccharides, extracellular, from Mucorales, high-performance size-exclusion chromatography and ELISA detection of, 47
- Preparative h.p.l.c., isolation of oligogalacturonic acids in gram quantities by, 81
- Pulsed amperometric detection (p.a.d.) of carbohydrates following separation by liquid chromatography, optimization of waveforms for, 159
- Pulsed amperometric detection, selectivity control in the anion-exchange chromatographic determination of saccharides in dairy products, using, 39
- 2-Pyridylamino derivatives of xyloglucan oligosaccharides, high-performance reversed-phase chromatographic mapping of, 15
- Reversed-phase ion-pair h.p.l.c., analysis of oligouronates by; role of the mobile phase, 105
- Reversed-phase ion-pair liquid chromatography, kinetic comparisons of trimer-generated pectate and alginate lyases by, 147
- Saccharides in dairy products, selectivity control in the anion-exchange chromatographic determination of, using pulsed amperometric detection, 39
- Serratia marcescens* serogroup O18, structure of an acidic glycan present in the lipopolysaccharide extract from the reference strain for, 293
- Sialidases, mammalian, inhibition kinetics with novel derivatives of unsaturated *N*-acetylneuraminic acid of, 315
- Structural analysis of the heptose/hexose region of the lipopolysaccharide from *Escherichia coli* K-12 strain W3100, 323
- Structural studies of the *Vibrio cholerae* O:3 O-antigen polysaccharide, 303
- Structure of an acidic glycan present in the lipopolysaccharide extract from the reference strain for *Serratia marcescens* serogroup O18, 293
- Sugars and sugar alcohols, a comparative study by ion-exchange chromatography of complexing with metal ions, 357
- Sulfates, 4- and 6-, and the 4,6-disulfates of chondroitin, syntheses of disaccharides with (1→4)- β glycosidic linkages related to the, 261
- Syntheses of disaccharides with (1→4)- β glycosidic linkages related to the 4- and 6-sulfates and the 4,6-disulfates of chondroitin, 261
- Synthesis and characterisation of 6-*O*-L-glycero- α -D-manno-heptopyranosyl-D-glucopyranose, 337
- Synthesis of β -D-GlcA-(1→3)- β -D-Gal disaccharides with 4- and 6-sulfate and 4,6-disulfate groups, 279
- 1-Thioglycosides, regulation of stereoselectivity and reactivity in the iodonium-ion assisted glycosylation of alkyl (aryl), c1
- Vibrio cholerae* O:3, structural studies of the O-antigen polysaccharide, 303
- Viscosity, intrinsic, and molecular weight of pectin components, 91
- Water-malto-oligosaccharide mixtures, molecular motion in glassy, as studied by conventional and saturation-transfer spin-probe e.s.r. spectroscopy, 229

